

05/0

BIOTECHNOLOGY

SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/513,999B  
Source: O1PE  
Date Processed by STIC: 7/2/2002

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002  
TIME: 13:17:21

Input Set : F:\Seqlist.txt  
Output Set: N:\CRF3\07022002\I513999B.raw

P245 Does Not Comply  
Corrected Diskette Needed

```

3 <110> APPLICANT: Dumas Milne Edwards, J.B.
4   Duclert, A.
5   Giordano, J.Y.
7 <120> TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
9 <130> FILE REFERENCE: 59.US2.REG
11 <140> CURRENT APPLICATION NUMBER: US 09/513,999B
C--> 12 <141> CURRENT FILING DATE: 2002-06-13
14 <150> PRIOR APPLICATION NUMBER: US 60/122,487
15 <151> PRIOR FILING DATE: 1999-02-26
17 <160> NUMBER OF SEQ ID NOS: 36681
19 <170> SOFTWARE: Patent.pm
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 822
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo Sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: 346..552
30 <221> NAME/KEY: sig_peptide
31 <222> LOCATION: 346..408
32 <223> OTHER INFORMATION: Von Heijne matrix
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature /
37 <222> LOCATION: 113
38 <223> OTHER INFORMATION: s=g or c
40 <220> FEATURE:
41 <221> NAME/KEY: misc_feature
42 <222> LOCATION: 115
43 <223> OTHER INFORMATION: n=a, g, c or t
45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: 499
48 <223> OTHER INFORMATION: r=a or g
50 <220> FEATURE:
51 <221> NAME/KEY: misc_feature
52 <222> LOCATION: 566
53 <223> OTHER INFORMATION: r=a or g
55 <220> FEATURE:
56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: 585
58 <223> OTHER INFORMATION: k=g or t
60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002  
TIME: 13:17:21

Input Set : F:\Seqlist.txt  
Output Set: N:\CRF3\07022002\I513999B.raw

62 <222> LOCATION: 610  
 63 <223> OTHER INFORMATION: r=a or g  
 65 <220> FEATURE:  
 66 <221> NAME/KEY: misc\_feature  
 67 <222> LOCATION: 699  
 68 <223> OTHER INFORMATION: r=a or g  
 70 <220> FEATURE:  
 71 <221> NAME/KEY: misc\_feature  
 72 <222> LOCATION: 700  
 73 <223> OTHER INFORMATION: m=a or c  
 75 <220> FEATURE:  
 76 <221> NAME/KEY: misc\_feature  
 77 <222> LOCATION: 782  
 78 <223> OTHER INFORMATION: w=a or t  
 80 <220> FEATURE:  
 81 <221> NAME/KEY: UNSURE  
 82 <222> LOCATION: 499 31 Xaa is at amino acid location 31, not  
nucleotide  
location  
499  
 83 <223> OTHER INFORMATION: Xaa=Glu or Lys  
 85 <400> 1  
 86 actccttta gcataggggc ttccgcgcca gcggccagcg ctatcggtc tggtaagtgc 60  
 87 ctgatgccga gttccgttc tcgcgtctt tcctggccc aggcaagcg gasgnagatc 120  
 88 ctcaaacggc ctatgttccgc gcgttccgg agaaaatcg cggtctaatt aattcccttg 180  
 89 gtttgttcaa gcagtttacca agaatcttca acccttccc acaaaagcta attgagttaca 240  
 90 cgttccgtt gagtacacgt tcctgtttagt ttacaaaagg tgccaggatgt agcaggcttg 300  
 91 aagactaaca ttttgttgaag ttgtaaaaca gaaaacctgt tagaa atg tgg tgg ttt 357  
 92 Met Trp Trp Phe  
 93 -20  
 94 cag caa ggc ctc agt ttc ctt cct tca gcc ctt gta att tgg aca tct 405  
 95 Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val Ile Trp Thr Ser  
 96 -15 -10 -5  
 97 gct gct ttc ata ttt tca tac att act gca gta aca ctc cac cat ata 453  
 98 Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala Val Thr Leu His His Ile  
 99 1 5 10 15  
 100 gac ccg gct tta cct tat atc agt gac act ggt aca gta gct cca raa 501  
 101 Asp Pro Ala Leu Pro Tyr Ile Ser Asp Thr Gly Thr Val Ala Pro Xaa  
 102 20 25 30  
 103 aaa tgc tta ttt ggg gca atg cta aat att gcg gca gtt tta tgt caa 549  
 104 Lys Cys Leu Phe Gly Ala Met Leu Asn Ile Ala Val Leu Cys Gln  
 105 35 40 45  
 106 aaa tagaaatcg gaarataatt caacttaaag aakttcattt catgaccaaa 602  
 107 Lys  
 108 ctcttcaraa acatgtctt acaagcatat ctcttgtatt gctttctaca ctgttgaatt 662  
 109 gtctggcaat atttctgcag tggaaaattt gatttarmta gttcttgact gataaatatg 722  
 110 gtaaggtggg ctttcccccc tttgttaattt gctactatgt cttaactgagc caagttgtaw 782  
 111 ttgtaaaataa aatgatatga gagtgacaca aaaaaaaaaaaaa 822  
 113 <210> SEQ ID NO: 2  
 114 <211> LENGTH: 21  
 115 <212> TYPE: PRT  
 116 <213> ORGANISM: Homo Sapiens

RAW SEQUENCE LISTING DATE: 07/02/2002  
PATENT APPLICATION: US/09/513,999B TIME: 13:17:21

Input Set : F:\Seqlist.txt  
Output Set: N:\CRF3\07022002\I513999B.raw

118 <220> FEATURE:  
119 <221> NAME/KEY: SIGNAL  
120 <222> LOCATION: 1..21  
121 <223> OTHER INFORMATION: Von Heijne matrix  
122 score 5.5  
123 seq SFLPSALVIWTSA/AF  
126 <400> SEQUENCE: 2  
127 Met Trp Trp Phe Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val  
128 1 5 10 15  
129 Ile Trp Thr Ser Ala  
130 20  
132 <210> SEQ ID NO: 3  
133 <211> LENGTH: 526  
134 <212> TYPE: DNA  
135 <213> ORGANISM: Homo Sapiens  
137 <220> FEATURE:  
138 <221> NAME/KEY: CDS  
139 <222> LOCATION: 90..344  
141 <221> NAME/KEY: sig\_peptide  
142 <222> LOCATION: 90..140  
143 <223> OTHER INFORMATION: Von Heijne matrix  
146 <220> FEATURE:  
147 <221> NAME/KEY: misc\_feature  
148 <222> LOCATION: 6  
149 <223> OTHER INFORMATION: r=a or g  
151 <220> FEATURE:  
152 <221> NAME/KEY: misc\_feature  
153 <222> LOCATION: 8  
154 <223> OTHER INFORMATION: r=a or g  
156 <220> FEATURE:  
157 <221> NAME/KEY: misc\_feature  
158 <222> LOCATION: 32  
159 <223> OTHER INFORMATION: r=a or g  
161 <220> FEATURE:  
162 <221> NAME/KEY: misc\_feature  
163 <222> LOCATION: 80  
164 <223> OTHER INFORMATION: r=a or g  
166 <220> FEATURE:  
167 <221> NAME/KEY: misc\_feature  
168 <222> LOCATION: 137  
169 <223> OTHER INFORMATION: w=a or t  
171 <220> FEATURE:  
172 <221> NAME/KEY: misc\_feature  
173 <222> LOCATION: 209  
174 <223> OTHER INFORMATION: r=a or g  
176 <220> FEATURE:  
177 <221> NAME/KEY: misc\_feature  
178 <222> LOCATION: 210  
179 <223> OTHER INFORMATION: w=a or t

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002  
TIME: 13:17:21

Input Set : F:\Seqlist.txt  
Output Set: N:\CRF3\07022002\I513999B.raw

181 <220> FEATURE:  
 182 <221> NAME/KEY: misc\_feature  
 183 <222> LOCATION: 290  
 184 <223> OTHER INFORMATION: n=a, g, c or t  
 186 <220> FEATURE:  
 187 <221> NAME/KEY: misc\_feature  
 188 <222> LOCATION: 352  
 189 <223> OTHER INFORMATION: r=a or g  
 191 <220> FEATURE:  
 192 <221> NAME/KEY: misc\_feature  
 193 <222> LOCATION: 366  
 194 <223> OTHER INFORMATION: r=a or g  
 196 <220> FEATURE:  
 197 <221> NAME/KEY: misc\_feature  
 198 <222> LOCATION: 411  
 199 <223> OTHER INFORMATION: r=a or g  
 201 <220> FEATURE:  
 202 <221> NAME/KEY: misc\_feature  
 203 <222> LOCATION: 435  
 204 <223> OTHER INFORMATION: r=a or g  
 206 <220> FEATURE:  
 207 <221> NAME/KEY: UNSURE 24  
 208 <222> LOCATION: 210  
 209 <223> OTHER INFORMATION: Xaa=Phe or Ile  
 211 <220> FEATURE:  
 212 <221> NAME/KEY: UNSURE 50  
 213 <222> LOCATION: 288  
 214 <223> OTHER INFORMATION: Xaa=Lys or Asn  
 W--> 216 <400> 3,  
 217 aatatrarac agctacaata ttccagggcc artcaattgc catttctcat aacagcgtca 60  
 218 gagagaaaaga actgactgar acgttttag atg aag aaa gtt ctc ctc ctg atc 113  
 219 Met Lys Lys Val Leu Leu Ile  
 220 -15 -10  
 221 aca gcc atc ttg gca gtg gct gtw ggt ttc cca gtc tct caa gac cag 161  
 222 Thr Ala Ile Leu Ala Val Val Gly Phe Pro Val Ser Gln Asp Gln  
 223 -5 1 5  
 224 gaa cga gaa aaa aga agt atc agt gac agc gat gaa tta gct tca ggr 209  
 225 Glu Arg Glu Lys Arg Ser Ile Ser Asp Ser Asp Glu Leu Ala Ser Gly  
 226 10 15 20  
 227 wtt ttt gtg ttc cct tac cca tat cca ttt cgc cca ctt cca cca att 257  
 W--> 228 Xaa Phe Val Phe Pro Tyr Pro Tyr Pro Phe Arg Pro Leu Pro Pro Ile  
 229 25 30 35  
 W--> 230 cca ttt cca aga ttt cca tgg ttt aga cgt aaan ttt cct att cca ata 305  
 W--> 231 Pro Phe Pro Arg Phe Pro Trp Phe Arg Arg Xaa Phe Pro Ile Pro Ile  
 232 40 45 50 55  
 233 cct gaa tct gcc cct aca act ccc ctt cct agc gaa aag taaacaaraa 354  
 234 Pro Glu Ser Ala Pro Thr Thr Pro Leu Pro Ser Glu Lys  
 235 60 65  
 236 ggaaaaagtca crataaacctt ggtcacctga aattgaaatt gagccacttc cttgaaraat 414

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002  
TIME: 13:17:21

Input Set : F:\Seqlist.txt  
Output Set: N:\CRF3\07022002\I513999B.raw

```

237 caaaaattcct gttataaaaa raaaaacaaa tgtaattgaa atagcacaca gcattctcta      474
238 gtcaatatatct ttagtgatct tccttataaa acatgaaagc aaaaaaaaaaa aa      526
240 <210> SEQ ID NO: 4
241 <211> LENGTH: 17
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo Sapiens
245 <220> FEATURE:
246 <221> NAME/KEY: SIGNAL
247 <222> LOCATION: 1..17
248 <223> OTHER INFORMATION: Von Heijne matrix
249     score 8.2
250     seq LLLITAILAVAVG/FP
253 <400> SEQUENCE: 4
254 Met Lys Lys Val Leu Leu Leu Ile Thr Ala Ile Leu Ala Val Ala Val
255 1           5           10          15
256 Gly
258 <210> SEQ ID NO: 5
259 <211> LENGTH: 848
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo Sapiens
263 <220> FEATURE:
264 <221> NAME/KEY: CDS
265 <222> LOCATION: 32..697
267 <221> NAME/KEY: sig_peptide
268 <222> LOCATION: 32..73
269 <223> OTHER INFORMATION: Von Heijne matrix
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: 540
275 <223> OTHER INFORMATION: d-not o insufficient  
a or g or t
277 <220> FEATURE:
278 <221> NAME/KEY: misc_feature
279 <222> LOCATION: 543
280 <223> OTHER INFORMATION: r=a or g
282 <220> FEATURE:
283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: 581
285 <223> OTHER INFORMATION: r=a or g
287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <222> LOCATION: 586
290 <223> OTHER INFORMATION: k=g or t
292 <220> FEATURE:
293 <221> NAME/KEY: misc_feature
294 <222> LOCATION: 725
295 <223> OTHER INFORMATION: r=a or g
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: 788

```

*fjR*  
Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.